



HOMEGUARD™

Meter Mounted Surge Protection

High quality surge protection mounted at the electrical meter for residential “whole house” protection. The HomeGuard provides heavy duty protection from the constant attack of transient voltages as well as high energy surge currents from nearby lightning strikes.




APPLICATIONS

The HomeGuard by EFI Electronics is designed for installation into single phase, four or five jaw meter sockets rated up to 200 amps. The primary use is for residential and light commercial facilities.

SUPERIOR PERFORMANCE

The EFI HomeGuard utilizes a high energy suppression circuit which provides 100,000 peak amps of surge protection to protect home office equipment, entertainment systems or other electronic household appliances.

SAFETY

The HomeGuard meets strict safety requirements and has been listed to us, ANSI/IEEE C62.11 and CSA C22.2 No. 233.1-87 Secondary Surge Arrester standards. In addition, the HomeGuard's Short Circuit Current Rating (SCCR) assures the customer that the product has been tested for safe operation under short circuit currents of up to 18,000 amps.

EASY INSTALLATION

The EFI HomeGuard quickly plugs into the meter socket to protect against any disturbance originating outside the home.

FEATURES	ADVANTAGES	BENEFITS
Meter Socket Adapter Design	Easily and quickly mounts to the meter socket at the service entrance	Provides “whole house” protection
Suppression Status Alarm	Provides immediate alarm if suppression is ever damaged	Prevents operating without protection
100,000 Peak Amp Capacity	Provides protection against high energy nearby lightning strikes	Keeps valuable electronics safe even in the worst electrical conditions
18kA SCCR	Certifies the design to be safe for most residential applications	Prevents dangerous failure events

HOMEGUARD Product Specifications

MODELS AVAILABLE

HG4S250B, HG4S250I, HG4S250D,
HG5S250B, HG5S250I, HG5S250D

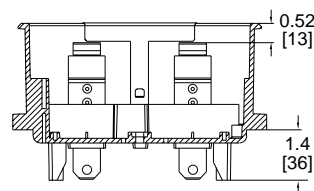
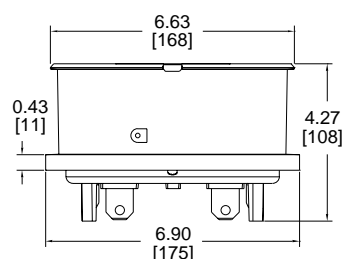
NOTE: Rated 200A continuous when used with Murray RH173CRF meter socket.
Rated 175A continuous when used in a meter socket rated 200 continuous
Amps.

PERFORMANCE

Max Surge Current Rating	100 kA
Nominal Line Voltage	120/240 Vac
MCOV	180 Vac
ANSI/IEEE C62.41	
Category A3 200A	710 V
Category B3 500A	780 V
Category C1 3000A	820 V
EMI/RFI Noise Rejection	Up to -20dB

MECHANICAL DESCRIPTION

Dimensions	4.27" x 6.90"
Housing Ratings	Type 3R, Non-Metallic
Product Weight	1.7 lbs
Connection Method	Plugs Into Meter Base
Thermal Fusing	Yes, LightningTemp® Fuse
Max Continuous Current Rating	200A (see note above)
Circuit Type	Parallel High Energy
Storage Temperature	-40° to +160° F (-40° to +70° C)
Operating Temperature	-40° to +140° F (-40° to +70° C)
Operating Altitude	Sea Level to 12,000 feet (3,658 Meters)



Dimensions: in.
[mm]

DIAGNOSTICS

Buzzer (B), Light (L), Buzzer & Light (D)

SAFETY APPROVALS

Secondary Surge Arrester	cULus to ANSI/IEEE C62.11 and CSA C22.2 No. 233.1-87
Short Circuit Current Rating	18,000 RMS Symmetrical Amperes, 240 Volts Maximum

WARRANTY

Product	15 years
White Goods	\$10,000



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